

In the Claims

Please amend claims 1, 3, 4, 7, 9, 11, 15 and 17 as set forth below and add new claim 20.

1. (currently amended) A light source for ~~fingerprint~~ on-site analysis of fingerprints and other latent indicia comprising:

an array of light emitting diodes; and

a power source for powering said array of light emitting diodes;

wherein said array emits wavelength specific light of sufficient intensity as emitted from said diodes to cause a dye adhered to said fingerprints or latent indicia to visibly fluoresce.

2. (original) The light source according to claim 1 wherein said power source is portable.

3. (currently amended) The light source according to claim 1 wherein said array has between 2 and 25 light emitting diodes.

4. (currently amended) The light source according to claim 1 wherein said array of light emitting diodes is attached to a user by a personal attachment device whereby the user may use the light source hands free.

5. (original) The light source according to claim 1 wherein said light emitting diodes emit visible light.

6. (currently amended) The light source according to claim 1 wherein said light emitting diodes emit light in the range of between about 430 400 nm to about 470 500 nm light.

7. (currently amended) The light source according to claim 1 wherein said power source is a ~~6-volt battery or a 4 D-cell~~ portable battery pack and said diodes are powered to at least about 57 mA.

8. (original) The light source according to claim 1 wherein said light source emits high-intensity visible, wavelength specific light which causes rhodamine 6G dye to visibly fluoresce as detected by a human eye.

9. (currently amended) A light source for fingerprint on-site analysis of fingerprints and other latent indicia comprising:

at least one light emitting diode for analyzing a surface with light as emitted directly from said diode;

a power source; and

a personal attachment device;

wherein said light emitting diode is powered by said power source, and wherein said power source and said at least one light emitting diodes ~~are~~ is attached to said personal attachment device to produce a personal light source for on-site analysis of latent fingerprints, ~~footprints or other markings~~ and other indicia.

10. (original) The light source according to claim 9 wherein said power source is portable.

11. (currently amended) The light source according to claim 9 ~~wherein said at least one~~ including an array of light emitting diodes, ~~comprises~~ said array comprising between about ~~40~~ 2 and 100 LEDs configured in any geometric manner.

12. (original) The light source according to claim 9 wherein said personal attachment device is a belt pouch and head set having an elastic head band.

13. (original) The light source according to claim 9 wherein said at least one light emitting diode emits visible light.

14. (original) The light source according to claim 9 wherein said at least one light emitting diode emits light having a wavelength from between about 400 nm to about 550 nm.

15. (currently amended) The light source according to claim 9 wherein said power source is a ~~6-volt battery or a 4-D cell~~ portable battery pack.

16. (original) The light source according to claim 9 wherein said light source emits high-intensity visible, wavelength specific light which causes rhodamine 6G dye to visibly fluoresce as detected by a human eye.

17. (currently amended) A light source for ~~fingerprint analysis~~ of fingerprints and latent indicia comprising:

at least one light emitting diode;

a power source having a power source connector for supplying power to said at least one light emitting diode; and

a head set;

wherein said light emitting diodes are is powered by said power source, and wherein said at least one light emitting diode is attached to said head set to produce a personal light source sufficient for on-site analysis of latent fingerprints, footprints or other markings with the human eye.

18. (original) The light source according to claim 17 wherein said power source is carried but not worn by the user.

19. (original) The light source according to claim 17 wherein said at least one light emitting diode emits wavelength specific, visible light.

20. (New) The light source of claim 17 including means for cooling said light emitting diode.